

ABSTRACT OF THE DISCLOSURE

A dynamoelectric device that is highly adaptable to a broad range of applications while providing robust output and energy conversion. The magnetic pole faces of the rotor lie in an ellipsoid. With or without a rotor shaft, the device allows options of either physical connection or contact-less, magnetic coupling. Surrounding the rotor is a brush-less stator having a bobbin-type, axial-centered coil conductor that provides a total capture of magnetic flux emanating from a rotor having an entire surface area of uniform flux density. Devices without a rotor shaft, and those having an air gap filled with ferrofluid, provide a two part generator with remarkable efficiency that is easily waterproofed and mechanically stable.